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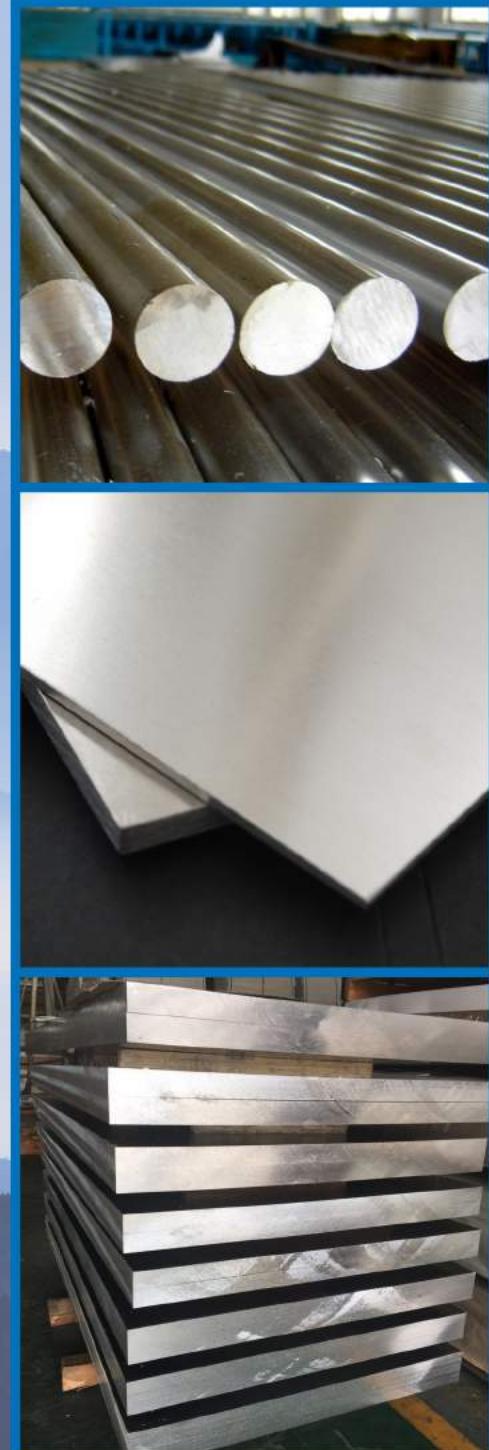
铝合金产品的领先供应商
THE LEADING SUPPLIER OF ALUMINIUM ALLOY PRODUCTS



永协铝业(苏州)有限公司
Everest Metals (Suzhou) Co., Ltd

产品合金和形式 / Alloys & Forms

	SHEET 薄板	PLATE 厚板	BAR 棒
6061 T6	●		
6061 T651		●	
6061 T6511			●
7075 T651		●	
7075 T6511			●
5052 H112		●	
5052 H32	●		
MIC-6		●	



	MIN. THICK 最薄	MAX. THICK 最厚
6061 Sheet	1.6mm	5mm
6061 Plate	6.35mm	305mm
6061 Bar	12.7mm	139.7mm
7075 Plate	8mm	185mm
7075 Bar	19.05mm	177.8mm
5052 Plate	4mm	80mm
5052 Sheet	2mm	4mm
MIC-6 Plate	6.35mm	38.1mm

认识供应商 Meet our suppliers:

加工能力 / Processing Capabilities

HD-400NC Band Saw 带锯



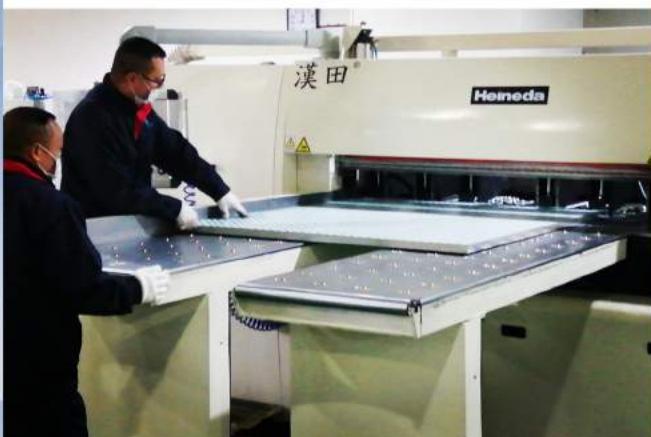
400 mm 长度 (Length), 400 mm 宽度(Width)

HL-12NC Plate Saw 板锯



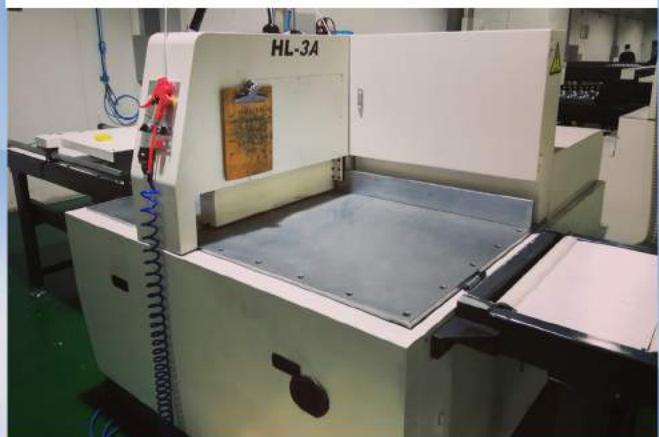
200 mm 厚度 (Thick), 400 mm 长度 (Length),
400 mm 宽度(Width)

HL-6BNC Plate Saw 板锯



120mm 厚度 (Thick), 2600mm 长度 (Length),
1600mm 宽度(Width)

HL-3A Plate Saw 板锯



130mm 厚度 (Thick), 600mm 宽度(Width)

S-300HA Band Saw 带锯



278 mm 厚度 (Thick),
3000 mm 长度 (Length), 310 mm 宽度(Width)

GR-510 Router 龙门铣床



75 mm 厚度 (Thick), 3075 mm 长度 (Length)
1549 mm 宽度(Width)

6061-T6/T651



6000系列为铝, 镁, 硅合金, 是一种热处理型的耐腐蚀性合金。强度和耐腐蚀性较高, 均匀性皆较好
6000 series contains aluminium, magnesium, and silicon. Alloys in this series have moderate tensile strength, good resistance to corrosion, and good formability.

化学成份分析 Chemical Composition Limit of Alluminium Alloys

合金牌号	硅Si	铁Fe	铜Cu	锰Mn	镁Mg	铬Cr	锌Zn	钛Ti	其他		(铝) 最小值
									每个	总计	
6061	0.4-0.8	0.7	0.15-0.4	0.15	0.8-1.2	0.04-0.35	0.25	0.15	0.05	0.15	余量

机械性能分析 (最低) Typical Mechanical Properties (min.)

合金牌号及状态		拉伸强度 (25°C MPa)		屈服强度 (25°C MPa)		硬度 500 kg 10mm		延伸率 1.6mm (1/16 in)	
Alloy & Temper		Ultimate Tensile Strength		Tensile Yield Strength		Hardness (HB)		Elongation	
6061-T6/T651		310		276		95		12	

物理性能分析 Typical Physical Properties

合金牌号及状态		热膨胀系数 (20-100°) µm/ m·k	熔点范围 (° C)		电导率 20° (68° F) (%IACS) Electrical Conductivity	电阻率 20° C (68° F) Ωmm²/m Electrical Resistivity
Alloy & Temper		Average Coefficient of Thermal Expansion	Melting Range			
6061-T6/T651		23.6	580 - 650		43	0.040

航空固定装置, LCD /半导体设备部件, 自动化机械零部件, 治具夹具, 二极管模架, 焊(过)锡载具, 通讯微波, 阀体, 汽车零部件, 模型车底板, 道路输送机材, 吹/吸塑模具, 构造工作物, 机械面板, 模极。Aviation · LCD/Semiconductors · Automation · Medical · Electronics ·Ultrasonic · Press Stamping · Automotive · Transportation · Blow Mold · Framing

7075-T6/T651



7000 系列为铝, 锌, 镁合金, 商用最强力合金之一, 普通抗腐蚀性能及机械性能。

7000 series is comprised of aluminium, zinc, and magnesium, resulting in heat treatable alloys of very high strength. These alloys possess corrosion resistance and machine-ability qualities.

化学成份分析 Chemical Composition Limit of Aluminium Alloys

合金牌号	硅Si	铁Fe	铜Cu	锰Mn	镁Mg	铬Cr	锌Zn	钛Ti	其他		(铝)最小值
									每个	总计	
7075	0.4	0.5	1.2-2.0	0.3	2.1-2.9	0.18-0.28	5.1-6.1	0.2	0.5	0.15	余量

机械性能分析 (最低) Typical Mechanical Properties (min.)

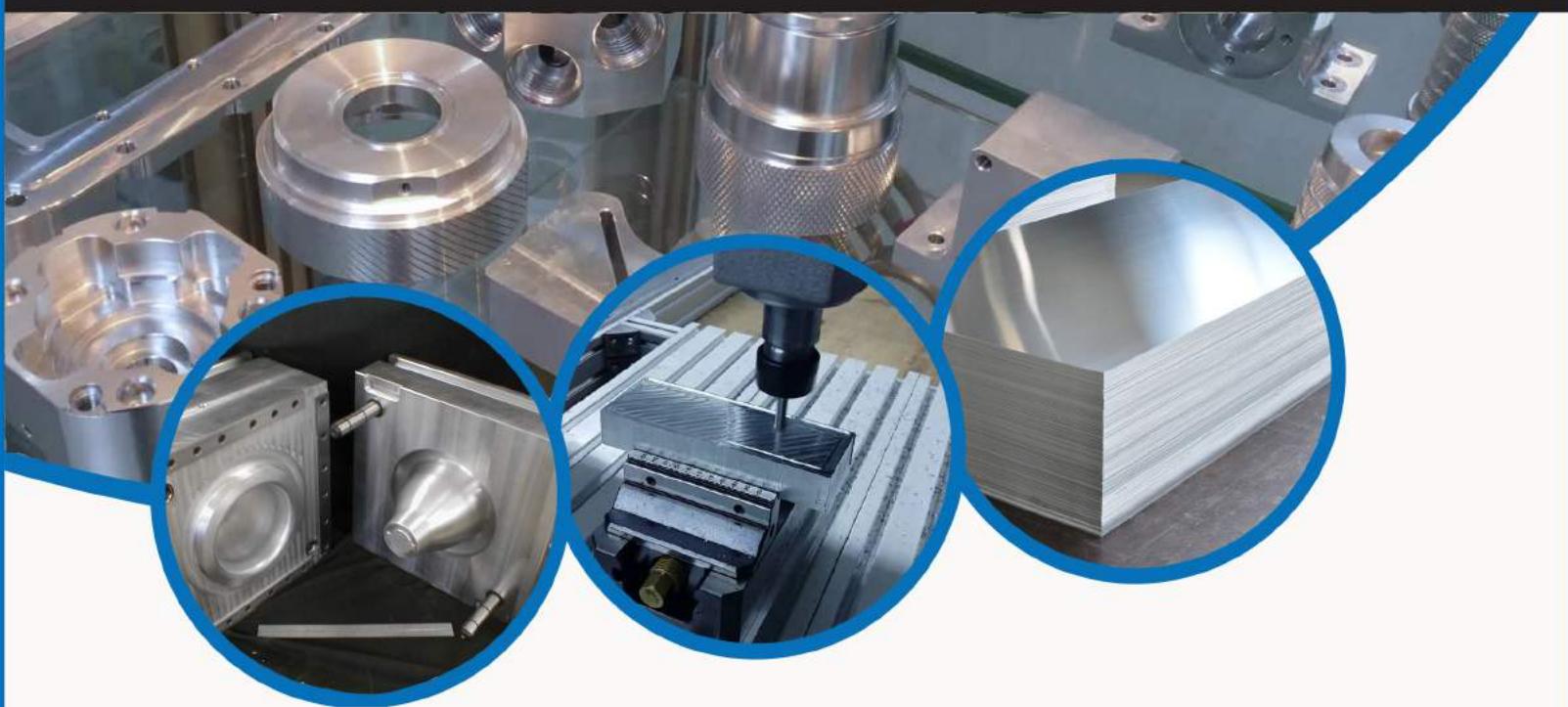
合金牌号及状态	拉伸强度		屈服强度		硬度		延伸率	
	(25°C MPa)	(25°C MPa)	(25°C MPa)	5000kg 10mm	1.6mm (1/16 in)	Hardness (HB)	500 kg 10mm	Elongation
Alloy & Temper	Ultimate Tensile Strength		Tensile Yield Strength					
7075-T6/T651	572		503		150			11

物理性能分析 Typical Physical Properties

合金牌号及状态	热膨胀系数 (20-100°) $\mu\text{m}/\text{m}\cdot\text{K}$		熔点范围 (° C)		电导率 20° (68° F) (%IACS) Electrical Conductivity	电阻率 20° C (68° F) $\Omega\text{mm}^2/\text{m}$ Electrical Resistivity
	Alloy & Temper	Average Coefficient of Thermal Expansion	Melting Range			
6061-T6/T651		23.6	475-635		33	0.0515

航空工业、吹塑(瓶)模、超音波塑焊模具、高尔夫球头、鞋模、纸塑模、发泡成型模、脱腊模、模板、夹具. Aviation · Molding · Ultrasonic Components ·Golf Equipment ·Footwear Mold

5052-H112



5000 系列的铝，镁合金，是一种有中等程度强度，在所有领域皆被广泛使用耐腐蚀性焊接性良好的铝合金代表产品

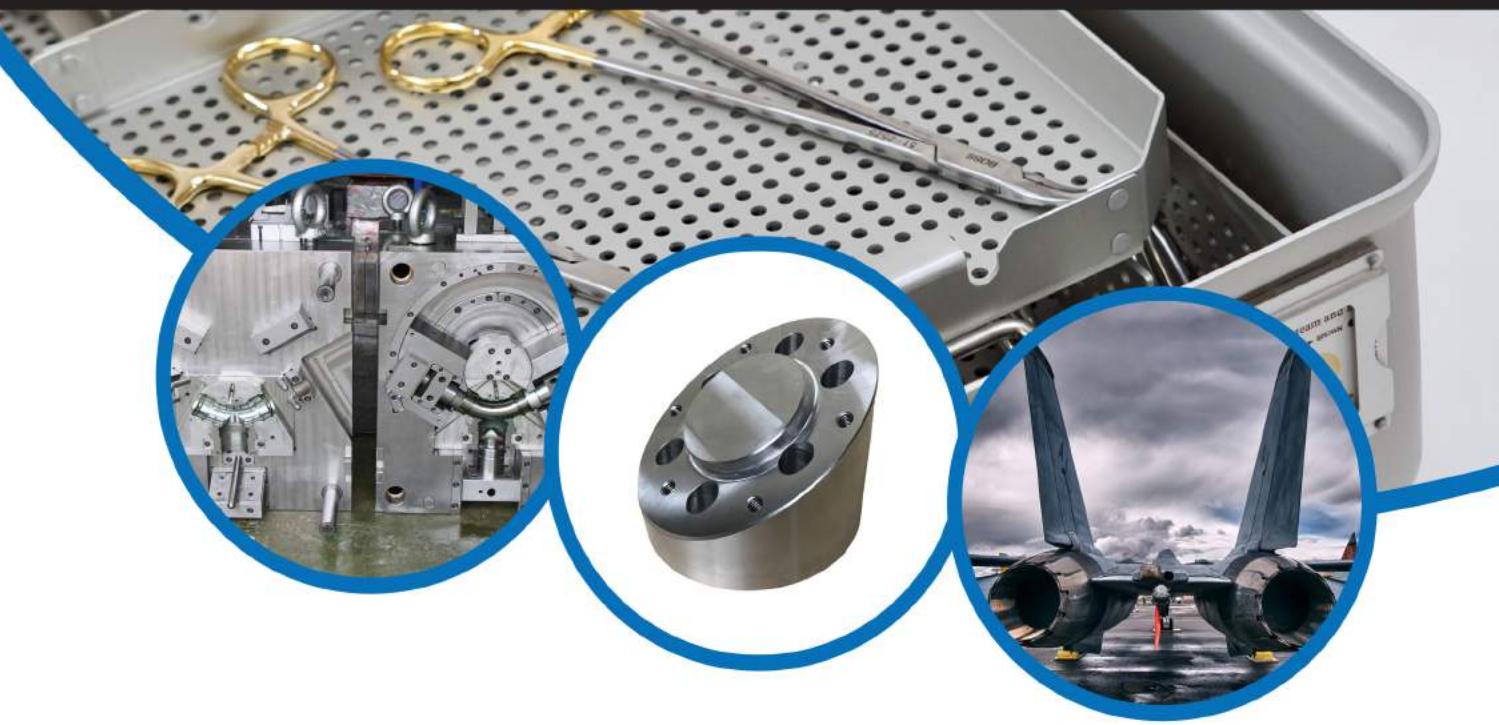
5000 series alloy consists of aluminum and magnesium. Alloys in this series possess moderate tensile strength, good resistance to corrosion and good welding characteristics.

化学成份分析 Chemical Composition Limit of Aluminium Alloys										
合金牌号	硅Si	铁Fe	铜Cu	锰Mn	镁Mg	铬Cr	锌Zn	钛Ti	其他	
									每个	总计
5052	0.25	0.4	0.1	0.1	2.2-2.8	0.15-0.35	0.1	0.35	0.05	0.15
										余量

机械性能分析 (最低) Typical Mechanical Properties (min.)				
合金牌号及状态	拉伸强度		屈服强度	
	(25°C MPa)		(25°C MPa)	
Alloy & Temper	Ultimate Tensile Strength		Tensile Yield Strength	Hardness (HB)
5052-H112	195		127	65
Elongation 26				

物理性能分析 Typical Physical Properties				
合金牌号及状态	热膨胀系数 (20-100°) μm/m·k		熔点范围 (°C)	电导率 20°(68°F) (%IACS)
	Average Coefficient of Thermal Expansion	Melting Range		
5052-H112	23.8	607 - 650	35	0.050

半导体封装设备、精密仪器、电子仪器、机械零部件、测试治具、台板、基准板 - Semiconductor · Precision Engineering · Electronics · Aviation · Testing Equipment



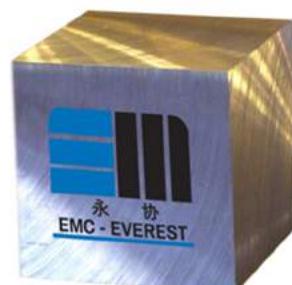
MIC-6® 是尺寸精度和热稳定性最完美的结合。是许多单个合金优点之集大成。是为满足现代工业对产品精度高要求而研制的。

MIC-6® is a blend of the most desirable features of many individual metals, providing high tolerance and excellent thermal properties. The result is a cast aluminium plate that meets the challenge of product accuracy demanded by today's industries.

	厚度 Thickness	纵向板形 Long. Tolerance	横向板形 Lat. Tolerance	厚度厚度 Thickness Tolerance
MIC-6®	6.35-15.875	0.381 (8')	0.381 (8')	± 0.127
	19.05-101.5	0.127 (8')	0.127 (8')	
6061-T651	6.35-152.4	2.54 (6')	2.54 (4')	$\pm 0.3-$

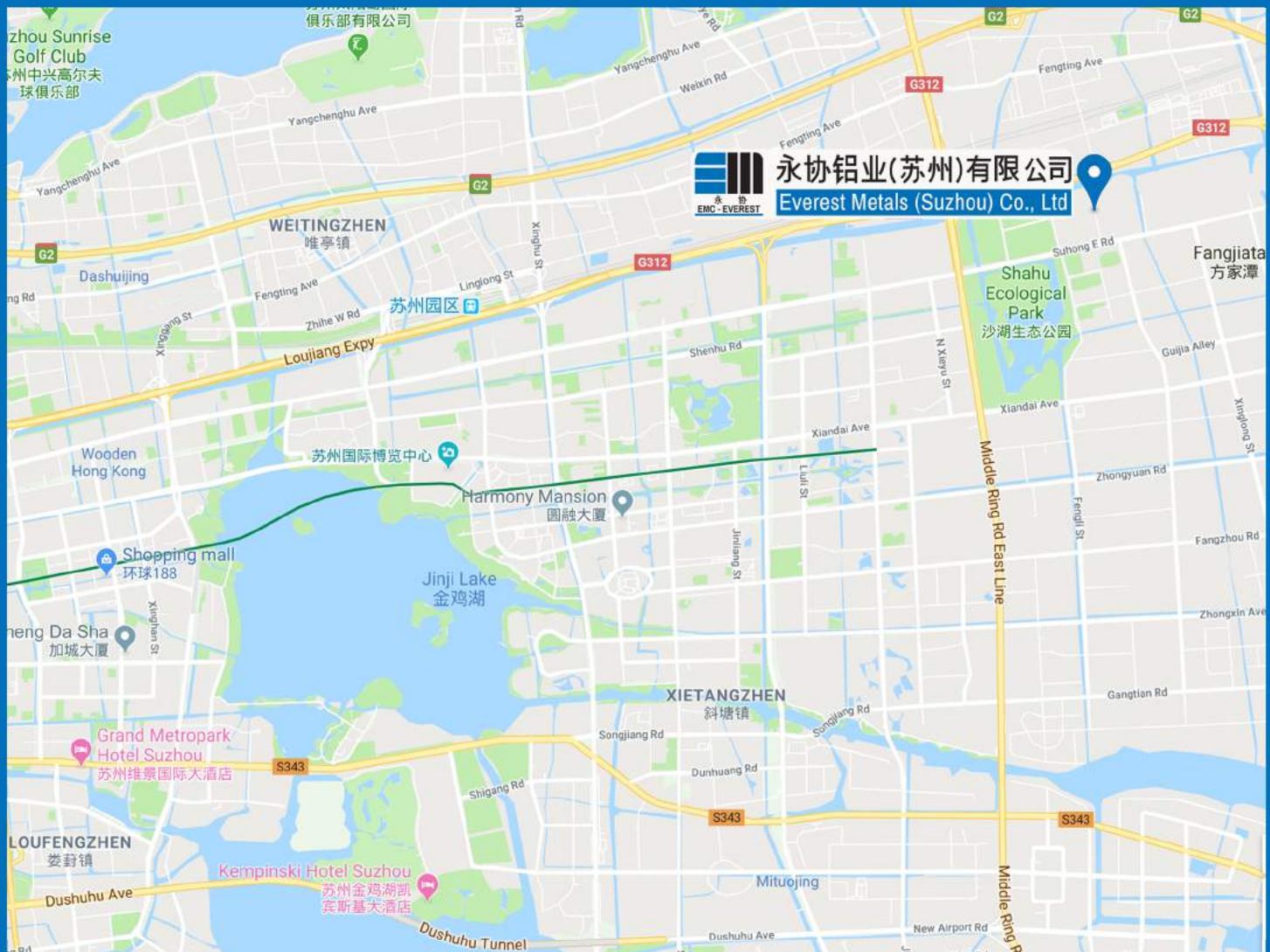
抗拉强度 Tensile Strength	166 MPa	热膨胀系数 Thermal Expansion Coefficient	20-100°C	23.6 x 10 ⁻⁶ m/m-k
屈服强度 Compressive Strength	105MPa		20-100°C	24.5 x 10 ⁻⁶ m/m-k
延伸率 Elongation Ratio	3%	导热性 Thermal Conductivity	0.34 cal/cm-s°C	
布氏硬度 Hardness	HB65	导电性 Electrical Conductivity	IACS: 36%	
		弹性系数 Elasticity Coefficient	10.3 x10 ⁶ / 71,000 MPa	

航空工业，汽车工业，印刷机械，医疗器械，精密工业，大面积基准板，测试治具
夹具 - Aerospace · Automotive · Precision Engineering · Medical · CNC
Routing Tables · Food Packaging · Printing





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联系方式 - **CONTACT FOR A QUOTE**



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